

Still Alive With Sir Clive!

# ZXir QLive Alive!

The Times/Sinclair North American User Groups Newsletter

Volume 7 No. 3

Autumn '87

Chairman

Donald S. Lambert

Auburn, TN

## MEMORY MAP ROUTINES

### ADDRESS

- 2 Information and Chairman — Treasury Notes
- 3 Input/Output — by Alad Kahala
- 3 QPC
- 4 RAMTop T5-2068 - Bob Swager
- 4 Got Milk?
- 6 Larkin Graphic Adventure - Les Cottrell
- 6 Download from SOL BBS - Bob Swager
- 7 ZEBRA is back - Tim Stemann
- 7 Sinclair E-Mail List
- 8 From The Chairman's Desk — by Donald Lambert

### FILES

- 8 ZEB Revisted - Donald Lambert
- 10 If You Know ? Internet - Al Feng
- 11 More On QPC - Robert Hartung
- 12 QPC - The Missing Link - Al Feng
- 14 Internet To Larkin - Les Cottrell
- 15 Sequential Paragraph - David Lasov
- 15 ZX-Team Font - ZX-Team Magazine
- 16 Moon Magic - David Lasov
- 16 TeleCom Menu - David Lasov
- 19 ZEBRA on the Net

### SUBROUTINES

- 20 Unclassified Ads
- 25 FWD Computing
- 26 Sinclair Users List



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THE TIMES/SINCLAIR NORTHAMERICAN USER GROUPS NEWSLETTER

# T/SNUG Information

We wish to support the following  
platforms: ZENITH, T/S1000  
Synclaire, T/S2000, 286 and QL. If  
you have any questions about any of  
these line Sinclair, contact the

## Chairman

Chief Moderator

Donald S. Lambert (604)45

## Vice-Chairmen

### Tape & B.O PD Library

D. G. Smith  
413 Stone St.

Johnstown, PA, 15906

414 533-6998

### Z88 Library

Dave Bennett (HAWAII)

1275 Timber View Dr

Mechanicusburg, PA 17053-9145

717 532-4824

### ZX-81 PD Tape Library

Ed Brown

2136 Churchill Downs Cir

Orlando, FL 32825

407 885-1134

### RM60 Enterprises

Red Gomez (JOCAM)

14384 S. Quail Grove Cir.

Oregon City, OR 97045

503 625-7484 FAX 503 625-4116

### T8-2048

Red Humphreys (V840)

36944 Collins Pl.

Delta, BC V4C 7S6 Canada

604 581-2219

### QL PD Library

John Donaldson (JOCAM)

835 Foxwood Cir

Oswego, IL 60136-1631

630 232-6147

### AERCO & Z80 Resistor

Keith Watson

41624 Antibody Dr

Mt. Clemens, MI 48058

### BBS - GATOR -

Bob Swager (JOCAM)

613 Palmdale Cir

Streamwood, IL 60157-1847

630 531-7937 Fax 647 376-8088

Any of the above can also be

reached by e-mail through the

MMCC BBS 847 432-2558

## ZXir QLive ALIVE!

Is the newsletter of T/SNUG, the  
Times/Sinclair North American User  
Groups, providing news and  
advice support to the TS com-  
munity in a VOLUME of four  
newsletters per year, beginning with  
the Spring (March) issue.

T/SNUG's main goal is to  
preserve and encourage the  
use of Sinclair computers  
by providing an open  
forum for the exchange of  
knowledge, building and  
maintaining of software  
libraries. Providing  
vendors, repair services and  
members with free ad  
space.

It is the user groups and  
individual subscribers, rather than  
the vendors, that provide the  
primary support for this  
newsletter. Vendors and developers  
request that providers line of change,  
through contribution from vendors  
and user groups is graciously  
accepted. Please support our vendors  
and service providers whenever  
possible.

If you have a problem or you  
have solved a problem, please share  
it with the rest of us. No problem  
will be considered unimportant.

## Editor/Treasurer Lacklen PD Library

You can keep T/SNUG alive by  
an annual contribution of \$12  
for one VOLUME made payable  
to Abed Kahale. Send check to -

### ABED KAHALE

3343 S FLAT ROCK CT

SUNNYVALE, AZ 85035-8874

520 571-3434

Back copies are available for  
\$8.75 each postpaid.

## Treasury Note\$

As of September 16, 1997, we  
have a balance of \$433.29

## Article Contributions

Send in your articles by tape or disk  
and your inputs to:-

DONALD S LAMBERT

1321 BELINDER PL

AUBURN IN 46706-3010

Phone 219 523-1572

By hardcopy, modem or modem (3-28 4) to

Abed Kahale

E-mail: A.Kahale@compuserve.com

## GATOR's TWISTED PAIR

To better inform the Sinclair Community,  
free 24-hour a day BBS are now provided to  
serve you. You are encouraged to exchange mail  
and use the free services of these boards.  
Banners and ads are available to all.

Q-Rite BBS

818 354-5875

Utica, Michigan

SCC Server

Joe Marino

<http://members.tripod.com/~helpnet/>

SQL BBS

800 885-0388

Tucson, Arizona

MMCC BBS

847 432-3558

Arlington Heights, Illinois

If you know the Internet E-mail address of  
a Sinclair user, but do not have access to Internet,  
simply address your E-Mail to GATOR, Sinclair  
on the 24-hour MMCC BBS and include the  
name and E-Mail address of the user you wish to  
reach. Then check the MMCC BBS from time to  
time if you expect a reply.

We encourage you to exchange mail and  
contribute to the UPLOAD section. Call and  
register every year that, but name and phone  
number along with a password you won't forget.  
Print it down! Do not try to do anything else at  
this time.

When you return the next time, you will  
have Level 5 security and be able to copy full  
user privileges. The BBS has another section  
called contributions. Select "3" for "Join a Contri-  
butor" Select "TMSD" to get into the Sinclair  
Section. The next you time that will only be  
from other TS users. Use commands ART for  
articles, ADD for ads and HWB for news when  
UPLOADing.

For help, contact the STSOP, Bob Swager,  
by leaving a message, mail, E-Mail or phone.  
Bob Swager-CENCO@earthlink.net.com

# Input/Output

by *Alfred Kapsale*

I have been informed that Jack Dobson was offering a Spectrum ROM which could be installed inside the case of a TS-2068 computer, in such a way that the standard Zenith ROM would be switch-selectable.

I wrote Jack Dobson, but my letter was never answered. Is this his correct mailing address?

827 Vera Ave  
Redwood City, CA 94061

This is the address I have for Jack Dobson. Do you have his E-mail address?

I don't have an E-mail address for Jack.

Another question: Is there a station in Arizona for Spectrum software on cassette tape, usable in TS-2068 computer? I am thinking of such utilities as assemblies, not particularly interested in games.

Seymour Miller  
109-14 Awan Ave IL  
Forest Hills, NY 11375  
718 344-4508  
seymil@ix.netcom

I do have the dual ROM with a switch to select either the TS-2068 or Spectrum ROMs. I am afraid the ROM is no longer available.

One solution for you would be to get a Spectrum ROM Game Port plug-in from FMD or RMD. Of course it will work with other than game programs.

The second solution is to get a Larkent Disk System. The Larkent DOS board has a open socket for a ROM. This ROM can be a Larkent Spectrum V2, Dobson corrected Spectrum or Dobson corrected TS-2068. Rod Gowers and Frank Davis may have them all as well as Spectrum software.

It just keeps getting better!

You and the others responsible for publishing the newsletter continue to do a fantastic job. Many thanks for the professional quality of your work.

Hugh W. Scriven Jr.  
Orinda Vista, CA

Thank you for the kind words, that is what keeps us going.

Sender: EdK@ix.netcom

Greetings. I am the former editor of the NISQUUG News and a long-time QL'er.

I am presently the Librarian of NISQUUG, and was reading the recent issue of ZONE, which arrived today when, just as I got to the most interesting part of Rick Hartung's QPC article - "it disappeared" - ummmmmmm (I like when that happens)...

I am VERY interested in the QPC, (retail Bill Cable is going to demonstrate at our next meeting), and would greatly appreciate your sending me the remainder of that

article so that I might share it with the other members. If you could Email it to me, I would be most indebted to you.

You are doing a great job. Keep it up, and keep it going. Thanks.

Ed Kapsale

## oops!!!

Sorry for the inconvenience I caused you and other members. I didn't catch the mistake till it was too late after I ran off of the copies.

Pages 19 and 30 are out of order, page 30 is there on the back of page 19.

Glad to hear from you, I wish it was off a more pleasant subject.

Subject: Oops, sorry

That's what I get for trying to think before I've had at least three cups of coffee.

My apologies. I did look thru the news, but the "blows in part of the body" (they must have confused me, must they not).

Thank you for pointing this out without making me feel like an idiot. I've seen a number of such "corrections" in the "NEWS", but nobody ever mentioned them to me. I guess they didn't notice or they didn't read the newsletter. At least you know I read your newsletter - and good it is, too.

Ed Kapsale

EdK@ix.netcom

You think our age has something to do with it? Here is a correction from Robert Hartung -

For any who did a double-take at a line in my first article which stated "similar to what IBM users have reported with some keyboards..." it was an example of what a text scanning device, OCR (Optical Character Recognition), and a spell-checker can compare together to do when they get devices. The scanner gets an unclear image of adjoining characters, the OCR decodes something in its memory matches that, and by coincidence a new word or character-sequence is created which just happens to be in the spell-checker dictionary. The result is computer-generated text that makes it sound like somebody's words are up to something!

Anyway, the original phrase was "similar to what IBM users have reported with some keyboards..." Also, some critical punctuation marks were dropped in the DOS definition command-line, which should have read:

```
OPEN NOW #7,KEYS.PRINT #7,NOT_GO  
PRINT #7,ALTKEY #7,CHAR#32/PRINT #7  
ALTKEY CHAR#32,CHAR#30/PRINT #7,ALTKEY  
" ",#7,CLOSE
```

Dear Alan,

We have noticed, that the use of LYNX to search the net need not require typing `http://` in front of every Unswel Resource Locator (URL.)

That is, instead of ENTERing  
`lynx http://www.com`

in order to access the COM web site, it is now only necessary to ENTER,

`lynx www.com`

and we get the same result!

Now, this is when using lynx only and when accessing our Internet Service Provider (ISP), so your results may vary, but it is worth TRYing out, since `http://` is difficult for us to consistently have to type in before every URL.

PLEASE KEEP ON TIMEX 'n (HAPPYHAPPYHAPPY)

Also, if you can, would you please reflect that message back to us?

Please, let your readers know, that use of LYNX to surf the net need not always require those annoying, repeated key strokes of

`http://`

Alan, we do not all have access to the net at only 30 00 per month!

Does that help? Dave, Laszlo

Also

Thanks again. We tried installing QPC on my 486 Laptop, Sunday, to see how fast it would run, and 1) it DIDN'T and 2) it crashed my display something terrible (everything is in-constructive-memories and I can't figure out how to get it back the way it was ...Sigh...

Since Bill Cable is much younger than I am, maybe age didn't play a part in this one (?)

Ed Kingley

Sorry to hear about the problems with the laptop. The video display driver software must not be compatible with the laptop. I had a similar

experience and as a last resort, I delete everything and started from scratch, very aggravating indeed.

One of the many wonderful things about the T3000 is that there has been so much written to inform the user how to use all the features and capabilities. The manual for it is more informative than manuals I've seen for other brands. The way the memory is mapped makes programming a pleasure. The system ROM is located between 0 to 1000. The rest of space up to 65535 is RAM.

Moving RAMTOP down to high machine code is done by simply giving the command CLEAR followed by the address of the last byte of RAM you wish the computer to leave alone.

The T3000 manual tells us that if we want to display something on the screen, we just POKE something into the RAM space between address 10204 (10 X 10204) and 12296 (10204 + 6512) or just something to one of 768 screen locations.

Because T3000 II is more like a line editor than a word processor, every character and space displayed on the screen is stored in predictable RAM locations. With the use of HEADER.BY by Mike Pashkow for tape and Disk Doctor by George Chaboun, we find that the start address for T3000 documents 3000. This is the address of the first character on the top left most position on the screen.

If we do not enter proper controls into a T3000 II document, the location of each character printed on paper and screen is easily located in RAM. If we want to see the last part entered into T3000 II, we know to look for as much as 300 lines of 64 characters per line starting at address 10204 in RAM. Since 300 lines of 64 characters = 19200 bytes (300 \* 64), the last character would be at address 10479 (10279 + 19200). The sixth character on the fifth line would be at location 10441 found by

$10279 + (4*64)$

$+ 6 = 10441$

The following short program will display the first 16 lines of a T3000 II document named myfile.C1 to the screen just as it appeared on the screen when you typed it into T3000 in the 31 column mode.

```
10 RANDOMIZE USA
100:LOAD
"myFile.C1" CODE
10000
20 FOR I=32256 TO
```

```
32279+(10*64)
30 PRINT CHR$(PEEK I),
40 NEXT I
```

This won't work very well with except because MSCRIPT lines are of indeterminate length.

Now suppose you wanted to print out a portion of a VU-CALC spreadsheet to a large printer. Each VU-CALC cell is seven characters wide. There are 20 cells across. The address of the first character in the first cell is 14067. The



address of the last character in the last cell in the last row is (34087 + (30 X 7) + 3487 + 355. Since there are 30 rows, the last byte in the VU-CALC file is 30 \* 355 or 17550 + 3487 or 52037.

As you can see, we can use simple calculations to locate where each byte of a VU-CALC file and each byte of a TASPWORD II file reside in RAM. Armed with this knowledge, we can write a program to move VU-CALC cell information directly to a Large Printer or into a TASPWORD II file for further formatting.

Since the large printer can print only 18 columns with reasonable left and right margins rather than all 30 columns across the page, VCPLP II asks you to choose the left most column to be printed. It then prints that and the next 2 columns and all 30 rows below.

TASPWORD, being capable of 64 characters in a row, allows us to load 9 VU-CALC columns (9 X 7 = 63) into a TASPWORD II file using VCTASR II. The added advantage of doing this before printing is that the file can now be modified further for better readability of the spreadsheet. Since many of our spreadsheet applications don't require all row columns there is usually room to improve the appearance of the printout by moving the columns apart and using complete words for headings rather than being limited to 7 characters.

The two programs, VCPLP II and VCTASR II, are both provided as part of the LogiCell assembly of programs available from Mechanical Affinity and RMG for \$15.

Thanks to Matt Kervell for alerting the author of a bug in an earlier version of VCPLP II.

----- GATOR -----

To: [Franks-CINCINN@att.net](mailto:Franks-CINCINN@att.net)  
From: [Edward@quest.net](mailto:Edward@quest.net) INTERNET  
Subject: Re: SimulaPRINT

Bob, it has been a long time since I have heard from you. I miss it all as well.

Carol came through her operation okay and will be back to normal in 3-4 more weeks.

When is your picnic? I have about 15 boxes of CDs and QL stuff on its way to me. Some of this I would like to take up there. The guys from Michigan told me they wanted to go. Any word on the SMUG people? I need to know times and where exactly, so as not to conflict with other events.

Frank.

Thanks for reminding me. None of the CATHO group plan to go to Dayton this year. We probably should rely off that date because the SMUG and Q-BOX group and probably you may go to Dayton. Gladys usually has the picnic a week or three after Dayton. August is too uncomfortable. I shall put it to the membership for a solid date. The stuff your getting, it isn't from RMG, is it? Our best to Carol for a speedy and comfortable recovery.

[Bob\\_Franks-CINCINN@att.net](mailto:Bob_Franks-CINCINN@att.net)

Today, we start off another article for EQA, entitled TALKCOMM MAIN MENU.

It refers to the menu, the listing of the menu, the CATHO of RAMMAN, and the CATHO of the drive #3.

Well, the last was printed on the BROTHMAN All-in-one in draft quality ONLY, since the MLQ was interfering with the 386's second display file. SORRY!!

The other four items are in BOTH MLQ by the MILLER AND images by the 3840, since you can then pick and choose which version of the SCREENS to publish.

But, please, each screen should appear in one form or the other!

KEEP ON TIMEX'n Dave

[edward@quest.net](mailto:edward@quest.net)

Dear Albed,

Thank much to you and Don for going to the trouble of getting my letter to you into the Summer issue of EQA. I hope it may help some some mislead among readers who may feel they don't want to mess in the full shot of upgrading to some of the recent developments in QL-ing, like new hardware that enables use of a hard drive, mouse, SVGA monitor, IBM-type KBD, etc.

Some readers may have been puzzled by the line in the article which went out: " appears similar to what [R] REN seems have reported with some keyboards. That, of course, should have read "M REN - some keyboards." I am familiar with quirky things like this that OCR can do with text from a screen, especially with words the spell-checker fails to catch because they happen to match something else in its dictionary. Sometimes they can be tedious.

To clarify the line, and also a couple critical punctuation marks that were dropped in the DO file definition, I thought I would start with these corrections and then go on to some other observations about QPC in a follow-up article. A hard copy is enclosed, and a disk file in DOS ASCII format. I also have Windows 95 WordPerfect 7.0 as well as DOS versions of Word 6.0, WordStar 6.0, PPSWrite, and of course GALL in DOS and QDOS. If you can use a file in any of these formats.

Robert Hartung  
Huntersville, IN

Dear Albed

Just mailed you another short article for publication in the next issue of EQA.

It is entitled SEQUENTIAL PARAGRAPHS and refers to both the TalkComm Main Menu and the Word Processor Main Menu. Also, it mentions some hints from its listing.

Last week, we sent you two versions of the TalkComm Main Menu, and next week we'll send you two versions of the Word Processor Main Menu. So, this week, we sent only two versions of a short listing for SigPar (6).

I send two versions of these listings, both large printer and small printer, in order to offer you more flexibility in the formatting effort for the magazine.

So, next week's article on the Word Processor Main Menu should complete my whole submissions for the summer's issue of EQA. Love Albed

KEEP ON TIMEX'n-----Dave

## Largen Graphic Adventure Games for the Spectrum

The following are the Spectrum graphic adventures I have downloaded from the Internet and think are worth sharing with anyone interested in this type of game.

- KINGKEP.BM** King's Keep - The little yelling character can switch directions when jumping. Must exchange "lump wand" to solve adventure. (Only one I have solved) 4 stars!
- SPLIND.BM** Spell Bound - Third Magic Knight. Has instructions and looks promising 4 stars!
- STORMLEN** Stormbanger - Fourth Magic Knight. Has instructions and looks promising 4 stars!
- KNIGHTYM.BM** Knight-Tyme - Second Magic Knight. Has new character and looks similar to King's Keep. Still a touch of arcade but has instructions and looks promising. 3 stars
- ARTHUR.BM** Arthur - The new one as you would call it. Simple graphics, a little slow, but a true graphic adventure. 3 stars
- MEGABK.BM** Megaback - Waiting character type. Shows map (73 rooms) after failure which should be helpful. 2 stars
- FRSKPS.BM** Finders Keepers - First Magic Knight - more arcade style than others in this series. Comes with instructions. Many objects to dodge (not my thing) 1 star

I will share these with any readers interested. Specify \$24 400K or \$24 540K disk. Some others will be added to fill out bigger disks. (If you want \$24 540K, send a formatted disk.) Contact:

Les Collrell

106 River Heights Drive  
Coconut, FL 32922-8630  
JACOTTRELL@JUNO.COM

Dear Alot,

Just mailed you another short article for inclusion in the next issue of ZQ/A.

It is entitled Sequential Paragraphs and refers to BOTH the TaleCom Main Menu AND the Word Processor Main Menu. Also, it contains some "how to" info.

Last week, we sent you two versions of the TaleCom Main Menu, and next week we'll send you two versions of the Word Processor Main Menu. So, this week, we sent only two versions of a short listing for Beg/Per 86.

I send two versions of these listings, BOTH large pages AND small pages, in order to offer you more flexibility in the formatting effort for the magazine.

So, send week's article on the Word Processor Main Menu should complete my article submissions for this summer's issue of ZQ/A Love Alot.

KEEP ON TIMEX *tycoon@compuserve.com* Dave

Dear Alot,

In re-reading the last message I sent you on disk and hard copy, I thought perhaps there might be need for clarification on the use of compressed media with GPC files. The users manual emphasizes that the GPC program itself must not be installed in a compressed partition or drive. If you decide to use this material, perhaps this clarification should be inserted as in the second paragraph below.

The first REM line is where a ZIP drive would be activated if you have one. Mine is the parallel port Epson version made by Iomega, for which the line calls its universal GUEST driver, which is in the GUPSON directory. If you are using a removable hard drive that auto-installs an system start-up, then include the appropriate lines to do this in CONFIG.SYS and AUTOEXEC.BAT.

If you have Stacker 4.0 installed on your system hard drive, be sure to include its DEVICE command in CONFIG.SYS, the necessary check-lines at the start of AUTOEXEC.BAT, and include d:STACKER in the PATH line. Note that, while GPC programs find their data only be stored in a Stacker-compressed partition, GPC itself must be installed in a non-compressed drive partition.

A Stacker-compressed disk or cartridge may also be activated independently by using the command in the second REM line, where d: is the drive-name for the medium with a Stacker Anywhere file.

If no Stacker Anywhere file exists on the current cartridge, then GPC will install normally, with access to the whole cartridge if there is one. However, the batch file processing will halt if Stacker Anywhere activation occurs, so GPC -R -Wn -P1 must then be keyed in manually. Interestingly, after GPC installation is terminated and EXIT is entered to end Stacker Anywhere, the batch file will try to start GPC again. It stops helplessly with an error report.

With best regards,

Bob Hartung  
2414 N. County Line Rd.  
Bloomington, IN 46748

## How To Download Document Files From The SOL BBS

T52068 users have noted the problem of downloading files from the SOL BBS in Tucson Arizona. I have found a way to get

downloads of the files. The problem is that MacCom will not send the final block of the file if a FULL last block of data isn't there to send. XMODEM routines are supposed to fill out the last block with CONTROL Z's as fillers for the last block. MacCom's routine doesn't do this. I remember that other TS2088 XMODEM routines of the past also had this problem and the men of Canada fixed them.

As the receiving computer is still waiting for the last block to store and therefore know when to store the file and exit the XMODEM routine properly, the receiving end times out and erases the file as the file is presumed to be corrupt.

When you are waiting for the last block to be sent, (and you realize it won't be coming) turn off the TS2088. Use Chambers Disk Doctor to examine the disk you were writing to. Follow the instructions for disk doctor to restore the file. You will now be able to read the whole file save the last block.

Does anyone out there have a fix for MacCom's problem at the MacCom end? Until then, maybe those document files could be filled out with some character at the end to be long enough for MacCom to send the last block.

Bob Swager<TNC1000@email.mot.com

Abad,

I found this while surfing the Net the other day. I thought that

## ZEBRA

had gone out of business.

A few die-hard ZX-Blers may want to try their hands at building a ZX-61 kit. \$40 seems a little steep, BUT the kit is pretty much impossible to get anywhere else.

Tim Swanson  
Fremont, CA

(See the Unclassified Ad)

We have had some cool weather again. Of course that is what it is going to be very shortly.

This is the big weekend for Auburn with the ACD FESTIVAL (Antique / Classic cars). The Kross section grounds is getting filled up with vehicles and people. We

go past it on our trips to Ft. Wayne so we see that section.

Auburn is the only city that I know of where I can easily get run over by a car older than I am.

Times/Schedule Still Lives.

Sincerely yours,

Donald S. Lambert

## Sinclair E-Mail List

Amson, Gerald	gerrya@netcom.com
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# FROM THE CHAIRMAN'S DISK II

Donald S. Lambert

The older you get the faster time flies by; this has been an unusual summer. The month of July had a low of 36 to a high of 98 and then Saturday August 16th was a late afternoon storm with 2 inches of rain in an hour and a half and a total of 4.3 inches in about 7 hours. No problems at my house but there were quite a few with water in the basements.

Monday evening Masako, my non-technical wife, got up at night thinking the VCR had died when it failed to run a borrowed tape recorded in Japan. What had happened was that the batteries in the remote control had become exhausted. I got it going with the controls on the front of the VCR. I then checked an AAA battery I had and while it wasn't a new one it still had some voltage left. I used it with the battery with the highest voltage and it worked until I bought two new AAA batteries for the remote control. The Japanese run their TV programs differently. For the most part they will run all the advertisements for the program in one block of time. Another is that the soap operas only run for one year and then they start a new story line.

All my messing about what to store in the EPROMs for the Z88 was solved when I was at a garage sale last weekend. There were three plastic boxes with a black foam insert for a model car, the boxes will hold two EPROMs and the foam cut to keep the EPROMs from sliding around in the box. I think that the boxes that are used to store trading (Shewen's) cards are about the right size to hold two EPROMs stacked on the other. That would be easier and cheaper to transport for EPROMs or to store them on a shelf.

It is aummer here and there has been little activity with the TIS in my household. Between honey-do projects and

the hope to ship for Masako's trip to Japan in September, I had less time to play with my TIS stuff. Of course I did do some things with the Z88 and the power replacements. I did take a look at some of the stuff stored in the garage which presented the lot of stuff I have to get out of the garage and the house.

At least Masako's trip to her home land. It is surprising how much can be saved by changing departure dates. By going 15 days later, a savings of \$165 is made. Of course the travel agents and the airlines will not tell you these things but if you know you can get the information.

I have argued about there being no stopping store to get started in computing like the TIS companies but the little based computer called STAMP just might be one that it looks like the programming is too much like IBM Mainframe to trying to get all the market, there is no easy way to get started with IBM.

How long will the TIS computer be used? Well, if the automobiles are an indication it is possible for them to be in use by a very few a hundred years from now. This is automobile country and specifically those made in Indiana. On the streets here you occasionally see a Model T Ford being driven. So if you are working with a TIS computer and find maybe that you are alone, yet maybe so but not that alone. It is just that a lot are not advertising their presence. For some of us it is just a matter of the TIS computer doing what we want them to do and not wanting to LEARN a new operating system and/or paying out that much money for the new system. So I plan to keep on with my trusty TIS-386 for as long as I can. QED

## Z88 Revisited

by Donald Lambert

Once again my Z88 with the internal RAM installed came up with BAT LOW. But the other one still had batteries that did not come up with the BAT LOW. Was there something wrong with the computer or was it because I might have used batteries with less life left. And how much current did the Z88 draw under normal use? I had questions and no answers.

So I built a break out box so that I could get better on the experiment and the voltage. So after visualizing the break out box I found a little box to mount the connections on and went to Radio Shack. By the time I got the breakout box back I realized that was only half the answer. On the internal battery/power supply how would I measure the battery voltage and current down to get the difference between the operating mode and the sleep mode? And that was a puzzle, at first I thought of a rated strip taped to the batteries to get the leads out of the computer but then that would only allow the voltage to be

measured. So I came up with an idea and I took a smaller diameter dowel and made a battery monitor connector.

I carefully measured the length of four AA batteries and subtracted the amount the solder lug and that lead screw would take up and cut the dowel and then made one more cut in the middle. I then wound masking tape around the dowel near the end that was the contact and until it was slightly less in diameter than an AA battery. When I contacted the solder lug and the was to keep the contacts outside the computer I then cut a groove in the masking tape to seat the wire in and put a turn of Scotch tape around the masking tape and the wire to hold it in place. At the end of the two wires on the outside is a jack to plug in a power supply or battery box with a standard Z88 type plug. To keep the polarity correct I used red for positive and black for negative for ground.

I had a HeathKit training unit that had a variable 0-12 volts DC so I had an easy way to get the proper



voltage. I had my newly purchased digital multimeter to monitor the voltage. I used an analog multimeter set for milliamperes to read the current drawn by the ZX8 under test.

**O**n the ZX8 with the internal ZX8E RAM and no external batteries and using the HeathKit to supply the power by way of the battery compartment (internal batteries) I set the HeathKit power supply to an over 4 Volts as I could. First I checked the current draw and with the computer turned on the current draw was 88 mA. But in the sleep mode it was 3 mA. So back to the computer on mode and I slowly decreased the input voltage until the BAT LOW came on at 4.40 volts.

I next checked the external battery pack and with the power supply set for 6 volts it drew 108 mA when turned on and 3 mA in the sleep mode. The BAT LOW came on at 3.15 volts.

**S**o next I installed batteries internally and their unloaded voltage was 4.15 volts and I applied 7.5 volts DC through the external pack and the computer drew 50 mA from that and stopped supplying current at 3.87 volts. I found four batteries that gave a total of 5.00 volts and with the external pack supplying 6 Volts the current draw from the external pack was 96 mA, it stopped supplying current when the external battery voltage reached 4.85 volts.

**I** have one other ZX8 and it is set up with ZX8E RAMPAK and drew 50 mA from the power supply and at 3.3 Volts it reverted back to internal batteries. I suspect that the batteries are on their last legs from that since for other computers with low batteries cut out at 4.65 volts. That is why NiCad batteries do not supply very long running time. A NiCad should supply 1.25 volts right after being charged and they self discharge quite rapidly. In fact in about 20 days they are so far discharged that we would call them discharged. That is why if you use NiCad batteries you should use 6 and get 7.5 volts to start with. I know, I know that they are sold as 7.2 volts when in battery packs but they use the same logic in stating battery voltage as the auto industry does with the lead acid battery in automobiles. That battery fully charged is 6 times 2.0 or 12.0 volts.

**I** jumped out a 125 bright disk drive in a case. The case and the drive was all one piece. When I got to the bottom of the case there was this battery pack of ten AA NiCad batteries. I don't know how long the batteries had been laying around but they had a little charge left in them. The unit had a power supply requirement of 18 VDC. But I had a Commodore power supply that put out 18VDC without a load. I found the proper polarity and plugged it in and the batteries charged up nearly to almost 13 volts. But since I had heard that NiCad batteries will self discharge I check them every few days and run

enough after a couple of days the voltage started to drop. It would be the safer for the ZX8 to retain data if alkaline dry cells are used and the battery voltage is checked often. One other alternative is to use the RENEWAL batteries by RAY-O-VAC which are rechargeable alkaline batteries and if you don't discharge them too much this only using them for 30% of their life you can recharge them (according to the company literature) for up to 100 times. However, they are more expensive than regular alkaline batteries and they use a special charger that is not cheap. The charge looks like the shelf life of the battery and that is a long time.

**I** use AA RENEWAL batteries in one clock and they seem to last a long time. However, I recharge the batteries every few months so as not to discharge the batteries too much.

On the ZX8 the books expect that the most current demanding action is when you SAVE to an EPROM. So that is something that I will have to test out and I will report when I do it. While on the subject of EPROMs I have a ZX8 EPROM eraser and it is designed to be plugged into ZX8 VAC. Of course since it was designed for use in the UK they would go with the standard voltage of that country. There several ways to go to 230 volts but the easiest and most expensive is to get a 115 to 230 VAC transformer.

## SINCLAIR ZX 81 SPECTRUM



### Deutsche

I saw several Radio Shack has one too but they are heavy and bulky and run from \$35.00 to \$45.00 each. That there is another way without testing out the eraser and that is to use two transformers. One to drop the voltage to 115 VAC and then connect that output to a transformer that has a 6.3 VAC secondary to the 6.3 volt windings and then the formerly 115 VAC will have 230 VAC. But in providing the transformers and will outfit power supplies I found a unit that supplies 18 VAC but the primary is 230 VAC. The other day I found a plug-in dual that supplies 18 VAC and will carry the load of an EPROM eraser that I have that problem solved. I connected them up temporarily and I got 214 VAC on the output. Close enough I think. How late on that.

**I**f you have any suggestions or questions let me know. For my part I have thought of a battery box for the ZX8 that produces 5.0 volts to give a total voltage of 7.75 with fresh batteries. I have thought of putting a 1N4000 diode in series with the power until the voltage drops below 7.2 without the diode if that is a problem with the ZX8. (BTW) and external battery really needs a means of testing for when the voltage gets below 6 VDC. That way you would never inadvertently deplete the internal batteries 90



for much looking and searching. I reluctantly resorted to utilizing electronic mail (e-mail). Mind you, this is after years of people giving me their e-mail addresses, telling me I had one, and then telling me that they would write more often if I had an e-mail address, or even a

Well, I finally found an answer while I was at my local branch of the Albuquerque Public Library where e-mail is verboten when I wanted to e-mail someone to comment on their *Kincaid* web site. Mind you, I fear that e-mail address, and I will have to return to the library to get it sometime in the future... but, that was what.

Being from the Chicago school of Socratic computing where change is better, when I found that there was at least one free e-mail service exclusive of other Internet features, I figured that it was the one for me. The first one that I had heard of and the one that I am currently signed up with is JUNG.COM.

### Surf's Up

The first thing you have to do to access a free e-mail service is to locate them. This is most easily done by surfing the WEB. Of course, if you have WEB access then you probably have e-mail unless you are using a friend's access (their computer), the local library, or whacking-away your hours at a cyber-café.

Well, I know the service was called JUNG.COM, so the presumption was that the Internet address would be the same. It is. Using almost any Web browser (I don't know if QNORNIC will work, however) you can read the necessary information that tells you that you can either download the software for free (I think they estimated a half-hour download using a 28.8K modem), or have them send you a disk (24.95) if you call them at 1-800-378-0608 and give them your credit card number. I'm sure they take checks, but the process is obviously delayed.

Jung would appear to always be releasing upgrades of its software. I do know that the version which I installed (1.36) is not the one I read about in May (1.23).

Never isn't always better. There is an annoying flaw in the version that I received whereby the "dial-up" sequence is apparently corrupted by the "incoming data upgrade." This took me several days to figure out, and I suspect that many people who receive the Jung software never do. What it seems is that each time I want to send or receive e-mail I have to reinitialize the dial-up sequence. This only takes a couple of minutes, but it is a nuisance.

### Auto-Spam?

While Jung's e-mail service is monetarily free, the price you pay is having ads "bounced" at you in a small window near the upper right hand corner.

This is not visually intrusive, but you will quickly understand why the minimum hardware recommendation is a 486 level PC since the speed of typing an e-mail

precluded me of using any Windows-based word processor on my 386MHz MM. There is often a noticeable time lag between keyboard input and screen display.

The problem (?) with the ads is that information about the products is sparse. When you "click here" to find out more, you are given a minimal amount of information about the product and/or an order form. Advertisers would be wise to have an e-mail address so more information could be requested prior to ordering a product. I have not ordered anything, yet, though I have been tempted.

### The Fluses ...

I don't know what the standard text editing features are like for CompuServe and AOL users, but I can tell you that Jung's input box (for word of a better term) is actually a pretty good, but limited, word processor (*It is CompuServe's 88*).

Editing is pretty much like on the few Windows word processors that I have used.

What you cannot do with Jung's "word processor" is infinite undo or redo. Considering the nature of e-mail, this makes sense to me. What is available is an easy to use Spell Checker which has the facility for a user's dictionary.

E-mail addresses and recipient's names are stored in an easy to use Address Book.

E-mail files can be stored in different, user-named folders or as "txt" files. Similarly, ".txt" files can be imported into Jung's software (with some limitations).

The Jung software has "help" files, but, I haven't used them other

than to try and resolve the "dial-up" problem.

Jung also has on-line, automated Tech help which you can e-mail and request "docs" that may-or-may-not help. This is an automated system and so using it is problematical. I only received one of the several "docs" that I requested... and finally, give up and wrote a hard-copy letter requesting any problem and requesting a new copy of the software to send "without charge" (we'll see) since the one I was sent was flawed.

### Requirements

You will need a PC running Windows 3.1 (or later) and at least a 486 BX/UDX machine.

Although I upgraded to a 33.6K BAUD modem, I received an automatic e-mail message on two separate occasions informing that my transmission was at 2400 BAUD or slower... and, therefore, compromised. The two times I received the message occurred after mid-day connections and apparently was the result of poor, local US West transmission which is only capable of a maximum 28.8K rate of transmission when everything is working properly. Check with your local phone company before buying a too-fast modem (i.e., 36.8K).

You will need about 18 Meg. of free space on your

Do You Know?

hard drive. I didn't have this back in May, and, I had to wait until I bought a larger hard drive before acquiring-and-installing the software.

### Limitations

Apparently, there is a maximum number of e-mail messages you can send or receive in a given period. I am having this observation on a **Retrieved Message** which I had attempted to send to "dagon@ixj@panu.com" (Jeff DeContency). I don't know what the limit is or if it is documented somewhere. I do know that I unexpectedly got the "unable to process" message which has previously come with a failed dial-up sequence in the past despite a connection "this" morning. Could I have exceeded my limit in just two words?

The speed of your PC may not matter. If you have a great deal of patience, then you can probably get by with a 386 level PC. If you don't want to notice the intrusion of the ads, then you will probably want a 200 MHz 486. I am using a KLV(p4)-D0-486 running at a theoretical 775 of MHz when the wind is blowing from the right direction.

Of course, you cannot e-mail FAXes, nor to that telephone e-mail thing with the current two software, and, you cannot use NETSCAPE's software, SLIDORA, or anything other than the software I have provided when receiving **messages** (they do want to show you the understanding side, after all).

### Early Conclusion

**F**or any who did a double-take at a line in my first article which stated "similar to what 131 ROM users have reported with some keyboards..." it was an example of what a text scanning device, OCR (Optical Character Recognition), and a spell-checker can conspire together to do when they get devices. The scanner gets an unclear image of adjoining characters, the OCR decides something in its memory matches that and by coincidence a new word or character-sequence is created which just happens to be in the spell-checker dictionary. The result is computer-generated text that makes it sound like somebody's sons are up to something!

Anyway, the original phrase was "similar to what 131 ROM users have reported with some keyboards..." Also, some critical punctuation marks were dropped in the DO definition command-line which should have read

```
OPEN ROM #7,ROMS:PRINT #7,"ROM 50";  
PRINT #7, "ALREADY" #7, CHR$(32); :PRINT  
#7, "ALREADY CHR$(32); CHR$(34); :PRINT  
#7, "ALREADY '3','4'";CLOSE
```

After being auto-SPAMmed, I don't know what the complaint is about SPAMming. Oh sure, the download time is a little longer. And sure, there is the expectation of getting messages from friends or associates which you really want to read. But, with the Juno software it is easy enough to see them when messages are sent, and messages are easily deleted. I would presume that the same is true with other e-mail software, and so, I (you will remember, I'm the critical one) would have to say that all those PC/MAC users are a bunch of whiny niggers who potentionally believe that their time away from game playing or their chat room sessions (which is apparently where SPAMmers pick up most of their "victims" victims) is diminished. Give me a break. There is no "real" question between SPAMming and junk FAXes or tele-marketing calls at dinner time (which is what the poor, delusionaly oppressed SPAMmers feel) ... only a very weak analogy.

So, while the pay should probably stay out a little longer, I would have to suggest that if you can live with the fore-mentioned limitations and have, from JUNO.COM is an acceptable e-mail provider for those who do not already have an Internet service provider or feel a need to go WEB surfing every day

**HAPPY TRAILS,**

**AND COMPUTING, TO YOU ...**

*by Robert Hartung*

A line editor might also be used to create a file with an unnumbered series of commands such as these, although one type of QL editor I tried that has a TSS mode of operation (Ternisim and Sky Resident in memory) does not work in QPC for me. Apparently there is a conflict between the memory address it uses and the one required by QPC. Neither can the Toolkit 2 ED be used to directly create a DO file, but it can be used as follows to make a listing of numbered statements which create the above KEYS file when RUN

# More On QPC

```
10 OPEN NEW #7,KEYS  
20 PRINT #7,"ROM 50"  
30 PRINT #7,"ALREADY '3',CHR$(32)"  
40 PRINT #7,"ALREADY  
CHR$(32);CHR$(34)"  
50 PRINT #7,"ALREADY '3','4'"  
60 PRINT #7,"JUNO 5000"  
70 CLOSE
```

available *all(s)* definitions are shown here as examples, but the actual listing may include definitions in lines 1 through 30 as shown on line 2.

```
1 CLS: CLS #2 (DIM cd(32,32): cd(11)-
  "QUILL123"
2 cd(12)~"XCHANGE"
3 cd(13)~"DOCSys"
37 FOR j=1 TO 32
38 AT j-1-10*(j>10):20*(j>10): PRINT
  CHR$(j+47+30*(j>10)):r~"";cd(j)
39 END FOR j
40 AT #1,0,0: PRINT #0: " Key: Q=Q
  or a=4 to LOAD"
41 s(s)=CODE(INKSYS): AT #0:1,10:
  PRINT #0,DAT$(s) " ":DAT$(s) IF s(s)=0
  THEN GO TO 41
42 s(s)=s(s)-07-30*(s(s)>57)
43 IF cd(s(s))="" THEN RUN
44 IF cd(s(s))="DOCSys" THEN DO
  WINS KEYS: REMARK KEYS as WINS
  45 LDI~"WINS_" & cd(s(s)) & "_BOOT".
  LDM LDI
  46 DEFINE PROCEDURE sv, SAVE
  WINS_BOOT: RUN: END DEFINE sv
  Once your cd definitions are entered, the above
  BOOT routine requires only a single keystroke to load
  the desired program boot routine in the specified directory.
  Note that the directory names must be exactly the same as
  those in the cd array. The boot listing below is the one I
  use in the XCHANGE directory to load the XCHANGE
  program.
```

```
1 CLS: CLS #2
2 AT #2,0,0: PRINT "1 - QUILL use
  DOCL"
3 PRINT "2 - QUILL use DOCL"
4 PRINT "3 - ARACUS use AAA"
5 PRINT "4 - ARCHIVE use DEF"
6 PRINT "5 - BASEL use GUP"
7 n=CODE(INKSYS)-07: IF n<1 OR n>5
  THEN GO TO 7
8 DEV USE 1,WINS DOCL
9 DEV USE 3,WINS DOCL
```

```
10 DEV USE 3,WINS AAA
11 DEV USE 4,WINS DEF
12 DEV USE 5,WINS DEF
13 SELECT ON n
14 =1: DATA USE WINS DOCL
15 =2: DATA USE WINS DOCL
16 =3: DATA USE WINS AAA
17 =4: DATA USE WINS DEF
18 =5: DATA USE WINS DEF
19 END SELECT
20 PROC USE WINS XCHANGE
21 FAR USE DEF
22 EX "WINS_XCHANGE_XCHANGE_DEF"
23 STOP
24 DEFINE PROCEDURE sv, SAVE
  WINS_XCHANGE_BOOT: END DEFINE sv
```

The apparent redundancy of repeating *DEV USE* definitions in *DATA USE* shows the default data directory to be present, for example, in the primary program of *QUILL*, while at the same time allowing the *WINS AAA* directory to be used for *ARACUS* by prefixing any data file name with just *DEV3*. An alternative would be to try *FILE* and return to the *XCHANGE SET* option to change the default data directory. For other *BOOT* routines that involve a single program, such as *QUILL I 30*, *DEV1* and *DEV2* definitions allow selecting as the default either the *Library* directory *DOCL* or the current file directory *DOCL*. These definitions remain active after an exit from the program that used them, so doing a *RESET* is usually advisable. The little *sv* procedure is included to make it easier to save a copy of the listing while testing it just by typing *sv*.

## CLARIFICATION

If you have *Starlet #1* installed on your system hard drive, be sure to include the *DEVICE* command in *CONFIG SYS*, the necessary check-lines at the start of *AUTOREC.BAT*, and exclude *UNLOCKER* in the *PATH* line. Note that, while *QL* programs find their data may be stored in a *Starlet*-compressed partition, *QPC* itself must be installed in a non-compressed drive partition.

by Al Perry

The QPC, a QDOS emulator which runs a version of *Starlet*, has certainly captured my imagination, but, some of the general information about it remains vague. Unlike the *QXL ISA* card which is limited to the on-card, 640K0 processor and memory resources, the QPC commands the resources of the 486-or-better host PC and the speed of your actual *QL* is only limited by the host PC's clock speed (some say that a 386 will suffice, but, the processor's clock speed will undoubtedly be slower). However, what would appear to be missing is a natural *NETWork* link between a QPC'd computer and other *QDOS* devices.

I don't know if *NETWorking* a QPC has already been discussed in European newsletters such as *QUANTA* and *QL TODAY* since I don't subscribe to either. Perhaps, a

"wireless" setup is already available. Perhaps the information for *NETWorking* a QPC comes with the software - perhaps it doesn't. The point is, the information hasn't been made generally available, yet, and, the ability or inability to *NETWork* a QPC'd computer to another *QL* is a possible limitation of the QPC as an alternative to the *QXL* as a (SUPER) *COLD CLOUD* for many looking to upgrade.

If you are not interested in *NETWorking*, then the point is moot, but, I feel that the potential to *NETWork* a QPC to another *QDOS* device will be important to me if and when I eventually get a copy at some point down the road.

If you are concerned with the potential *NETWorking* a QPC, then you might be interested in the following

observations which I have made about the potential of cobbling up your own QPC-to-QCL NETWORK cable (NOTE: this should also work for SMSQ's ADARs which I presume link a hardware NETWORK port)

### This is Only Theoretical

Working on the presumption that the QCL's NETWORK connections are RS-232 based, I took my VOM (Volt Ohm Meter) and started to check for possible continuity between the QCL's NETWORK ports and my QCL's SERIAL ports.

After less than a minute of "testing" I managed to ascertain that you should be able to connect PIN 1 (signal

cabled together from spare (!) pins). The only monitor that I had available was a 15" vertical, monochrome monitor whose approximate vertical height is equal to that of a normal 15" monitor (that is, if you happened to consider a 10" monitor to be "normal").

Using the 15" monitor is a mixed blessing. The 15" monitor has a toggle which allows for either "normal" (fast, reduced) rate so that the vertical display is equivalent to about a 15" monitor or expanded height so that the equivalent would be a 20" monitor, but, the expansion results in a display that resembles a composite monitor with visible scan lines.

When the 15" is toggled to maximum the display height, the resultant SMSQ display is about the same as viewed on my 14" VGA monitor. The problem is that the characters generated are now only 1/4 the normal width.

In other words, to get an SMSQ display that appears "normal" you will need to accept a 10" monitor. The guess that laptops need not apply for every day QPC emulation at the current time.

Having said that, I have recently heard that a QCL card has been installed in a TOSHIBA laptop and that it was possible to toggle the display between the diminished and a non-diminished size. Until someone sends me the specific details of the observed TOSHIBA phenomenon, I have to presume that the capability is proprietary to the TOSHIBA.

Regardless, the TOSHIBA possibility with RS4 expansion slots an old, still very expensive and definitely very heavy. I have to presume that the owner of the TOSHIBA-QCL combination either does not read QJA or chooses to keep knowledge of how to expand the SMSQ's display to himself. Maybe that can be resolved via QPCOL by one of QJA's readers who telecommunicates, and who can report back to all of us as to how the keyboard predomination was accomplished on aforementioned TOSHIBA.

### For The Record . . .

While I am grateful to still be using a QDOS compatible computer, I think that too many QDOS/SMSQ (compat) users (in general) are too passive (i.e., "gratuit" for getting anything new) to complain, and, almost any "bore" will do. If I had known that SMSQ's display would remain crippled, then I would never have gotten a QCL card, and, certainly that is what is keeping me from buying a copy of the QPC software.

I suppose that if keep complaining about SMSQ long enough then I suppose I should consider migrating permanently to the DOS and (I dare I say it) WINDOWS environment. After all, QuickBASIC can't be that different from SuperBASIC . . .

Happy Trails,  
And Computing, To You . . .

# QPC The Missing Link

I haven't made a cable to test this, so I can't tell you if you can be mollified about whether the tip or ann is hooked up as the signal ground.

Of course, you will lose one of your PC's SERIAL ports to the NETWORK, and the speed of communication will be limited to the speed you assign via DOS's MODE command (for example: MODE COM1:9600, . . .)

While it should be possible to use the best PC's SERIAL ports for NETWORKing, we will have to wait until an actual QPC user fabricates a cable in the aforementioned manner and reports back to all of us.

### SMSQ Goals

The 1997 version of the QCL GET TOGETHER, sponsored by NBSQ/LUG has come and gone and my two complaints against the SMSQ operating system apparently remain unresolved:

- 1) diminished screen size, and,
- 2) inability to use the TURBO-compiler.

The two problems may never be resolved. If they are "fixed" for the QCL, they will be for the QPC, and, vice-versa. Since I have not received an OS upgrade for my QCL since receiving SMSQ v2.7b over half a year ago, I presume the problems persist.

Based on direct correspondence between myself and Stuart Hightwell it would appear that Tony Tilly remains reluctant to correct the two, aforementioned problems. In so many words, I was advised that I could expect the SECOND COMING before any effort was made to correct SMSQ's two glaring flaws that remain.

To Tony Tilly's credit, he did write the DryLink program which eliminated the apparent high ratio of overhead vs. usable space on WIN\_ partitions.

### A Kluge By Any Name

Due to diminishing hard disk space on my host PC, I finally decided to move my QCL card to another PC that I

## From Internet to LarKen-2068 Les Controverses

There is a large number of Spectrum programs on the Internet. One can address <http://ftp.wvnet.net/pub/abacus/>. I have cataloged over 4000 programs on that site so far. They are in a format that can be read with the SSO Spectrum Simulator (or the PC) after being decompressed. They are mostly games. I find the adventure games interesting as I have downloaded just over 250 from the adventure category. My all time favorite game is Kings Quest, a graphic adventure. There are over 30 in the graphics category, but so far I have found most to be uninteresting audio style games. I am about half way through and have only found half a dozen that I would call graphic adventures. The 150 or so text adventures appear to be labeled correctly.

Now that I have found a few good ones the next step is to try to move them over to my 2044. At first I thought it might not be possible. Fortunately has finally paid off. There may be an easier way, but at least I can now do the job.

First, the file is downloaded from the Internet to PC in compressed format (zipped). Then the file is wrapped as an executable file with either a .EXE or .com extension. Both are similar to the Lock on Wheel encoder.

The new files must be loaded into the regulator and then SAATCHI as the JND format.

The evidence came with a set of convergent data that will connect 230 to a regulated type. The first is a comparison. If you have the regulator the first is **230TAP** and is used like a DOG command such as **230TAP/ENLIGHTEN/230 A/ENLIGHTEN TAP**. Also I discovered that the regulator either also contained a suppression, that it would save a tap like straight to type. This file is **TAP/230** and the syntax for the example is **TAP/230/AL/ENLIGHTEN TAP**. The utility **TAP/230** needs to be in the new directory at 230 now in order to work.

The next step was a hardware project to allow for an additional dedicated tape drive from the PC. I spent a good while trying to adjust the adapter to save the TO the PC before I realized that it didn't need any adjustment to save the FROM the PC. At that point the PC emulator would save a basic program to tape just like the 2060. The adapter connects to the parallel printer output on the PC with pins for power and control.

After bumping around with the tape level outside (remember that?) I was able to get a program into the TMS4. And of course all that was left was to do a Jarkon Whelton and I had a success. I could run on the TMS4.

## TRAINING NETWORK

A trick for moving files between two PCs with different disk systems is to do a tape LARSA™ on one computer and a SAVE™ on the other giving them a target location. The same trick works going from the PC to the 2868 using the TRAPLASE utility. So I only have to write the tape load routine once as it loads into the 2868. My only laugh at my strange "network" The biggest difficulty with this approach is one of location. The PC being used

made from spare parts and is mounted on the side of my 2008 computer desk. The monitors are side by side on top. The PC keyboard is on a slide out just past under the 2008 keyboard, and there's the nub. It seems responsible for me to remember which keyboard to use next. **B**

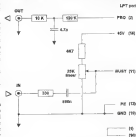
How that I have accomplished this, how do I make it available to the 30th committee?

I talked to David Lasey about the SGA bulletin board. The number of programs available is larger than the available disk space. He suggested that I send him data that can be made available on request. I will send data as they are filled and he can select items when they are available.



Alfred suggested that I send a list to EGRC I Love the publisher and offer to send Laiken's own programs on request. As soon as a couple of decks are filled, the list will be forwarded to Alfred and if anyone is interested they can contact me.

And even if we can die now, I am still having fun with my 2000 [www.fordfiore.com](http://www.fordfiore.com)



Keywords: *depression, mood, anxiety, self-esteem, self-efficacy, self-esteem, self-efficacy, self-esteem, self-efficacy*



Speaking with George Changliss has always seemed **INSTRUCTIVE** to me. Come to the facility of the BRITS and the CAMMUS with the Queen's English, that gives them their entertaining **TALK** on the economy of our province.

Anytime, considering the prospects of the Times-Sunday, Model 1000, always leads George into a discussion of **money**. Thus, it seems that, after thoroughly plumbing the depths of the machine's text and graphics capabilities in both basic and code, various dimensions of system capabilities resolve themselves into comparisons between different means.

Of course, George and his Toronto Times-Sunday User's Club were long in the supply of **outstanding** news. Compare the TITUC Larkin Disk Library, available from Abad Kalmis, our esteemed Editor/Treasurer.

As an early example of right-led computer technology on a personal scale, the 1000 is ideal for the manipulation of character strings and word processing. Character strings are converted for storage and retrieval of text.

Processing of graphical data proves to be a problem for the 1000, in terms of **not only** time but also space, since it takes only a single byte to specify most characters, whereas 64 pixels are needed to specify the same information **graphically**.

Notion, the utility of Mega-Bytes cycle times, modern

applies in the success of EDO-BLAIDS, and Mega-Bytes of RAM.

Variable morpheme and extension include Bill McKelvey's fax facility and Don Larkin's Pearl Point Professional. Pearl Point is on disk by TITUC entitled L-10, L-15, and L-17. We are almost through with acceptance testing of ASAPlex hardware/software. And, Interlink Data Base by Larry Goodard on Disk #30 by TITUC is entirely amazing. Surely, there are others, but that's about the best, that are available to us, here in Tucson, Arizona. Also, note well, that these excellent extensions of 1000 capabilities to graphical

applications incorporate the RAMDISK for both speed and storage.

So, our means for spreadsheet/modeling/simulation and for telecommunications are either rather state of the art or used.

We bring this up, because we wish to discuss several of our other means, which have more **heavy** use during the decade of the 90s.

We have spent a lot of time and effort on our Word Processing Menu, several years in fact. It selects from among Bill Jones' suite of word processors, in support of his Daisy. We will return to the Word Processing menu, some month of it has already been considered over the past three years of EQAI magazine. But, we start with the TeleCOMM Main Menu.

AUTOSTART file on the selected disk is then automatically LOADED.

# TeleCom Menu

A PRESS of "T" LOADS Bob Madala's version of Jack Dolberg's MISCRUPT, customized and extended for Larry Kersey's DOS. Also included are modifications for Bill McKelvey's ASAPlex facility. So, it's really loaded! Disk #31 out of the TITUC Larkin Disk Library contains several versions of MISCRUPT, ready for LKDCS and available from our esteemed Editor/Treasurer, Abad Kalmis.

The best way to get ASAPlex for your 1000 is to contact Bill McKelvey via QJUNK DISK at 800-254-5678 or SOL 880 at 520-880-0880.

A PRESS of "F" brings up JFCRM by Jack, which enables **converted** access to his DFM. We first gain a

TELECOM MAIN MENU	
*****	
CATALOG	0
Drive	1
	2 880 -- autonomous
	3 880 -- clocked
	4 TERM -- autonomous
	5 TERM -- clocked
Message/Notice	6
MESSAGE	7
	8 Disk Manager
	9 GALT COM
	a SCVS HANDLE
	b Recover CMT
	c Steal disk name
	d Create/Change name
Get check	e

A press of "T" generates a CATALOG of any Disk Drive, from 80 to #4 as desired. From line 880 can be seen, that we select the desired drive, by entering the routine at line #1000. Then, line #2000 gives us the CAT.

As can be seen from line #70, a PRESS of "T" generates a NEW of any Disk Drive from 80 to #4, as chosen by the routine at line #1000, again. Of course, any







Back in the 1980's when Sinclair stopped selling these machines we purchased two lots of close-out inventory. But, as it turns out, we really had no economical way to sell the items till now, with the advent of the Internet. Anyone who has built a ZX81 kit will tell you of the sense of accomplishment and satisfaction they got from actually assembling a computer from basic components.

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"It is a piece of computer history!"

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Michael Baruch/Simon Baruch, Separately priced \$12.95

#### The Ins and Outs of the Times TS-1600 & ZX-81

Don Thompson, \$12.95

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Paul Field & John Davies, \$12.95

#### ZX-81 BASIC Programming (in Spanish language)

Steve Vickson (Traducción y adaptación) A copy of this book is shipped free for testing if you just pay for additional shipping cost. Separately priced \$10

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Bob Dwyer Address on page 2

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Bob Dwyer Address on page 2

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Synop John J Impellizzeri

Co-Synop Don Walierman

Utica, Michigan, USA

## LISTing Newsletter

The Long Island Sinclair/Timex Users Group

Robert Melloy, Treasurer

412 Pacific St

Massapeque Park, NY 11762

Robert Glider, Submissions

68 Jefferson PL

Massapeque, NY 11758

## NESQLUG NEWS

### New England Sinclair QL Users Group

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SAUGUS MA 01906  
817 293-3871

## QL Hacker's Journal

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Timothy Swanson, *editor*

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## CATS Newsletter

### The Capital Area TS Users Group

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## The Ramtop

### Newsletter

#### The Greater Cleveland T-S User Group

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CUYAHOGA FALLS OH 44021  
E-Mail: [CSB 73177.300](mailto:CSB 73177.300)

Jon Kaczer, *production*  
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BROOKLYN OH 44144

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## XX-TEAM MAGAZIN

Peter Liebert, *Adapt*  
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1) Mindwriter printer with spare ribbon & two rolls of paper & documentation. Five pounds shipping weight.

2) ZX printer and two rolls silver paper & documentation. Three pounds shipping weight. Will need a 1 amp power supply and if one is wanted can be supplied and weight will go up about one pound.

3) TS-1000 with 64K memory internally installed mounted in a suitcase key board case. The computer has both a tv and monitor jack. no manual or power supply or cables. (all) memory power supply and cables can be supplied but weight will go up a general inch for manual and power supply.

4) TL keyboard mounted in a wood case with a 15 pin connector that plugs into an interface board and also a forth run TS-1000 computer. No TS-1000 or 3000 computer but does not work on a TS-3000 for some reason. Great for shading a TS-1000 with a bad keyboard. The forth computer is available from TS-1000 mode to forth by way of the channel change switch on the bottom which means that you change the TV channels. The forth computer is out of the case. 4 pounds shipping weight.

5) 3 1/2 inch 5 1/4 height 40 track (40Kb) disk drives tested and working. Note the ribbon cable connector is upside down to what other drives have their cable connectors. Shipping weight 7 pounds.

6) TS-1000 computer board (out of case) on wood base with keyboard and cable legends and has TV/monitor jack. No manual or power supply or cables but could be included if wanted. Five pounds shipping weight.

7) TS-1000 computer complete in original box with all parts. Not known if working. Three pounds shipping weight.

8) 3 1/2 inch 5 1/4 height 40 track (40Kb) disk drive in case with power supply. Eight pounds shipping weight.

9) TS-1000 or 1500 computer carrying case. Three pounds shipping weight.

10) 18 TS-1000 computer boards out of case (all wrapped and one the 90 keyboard overlay to put over the keyboard of a TS-1000. Four pounds shipping weight.

11) TS-3000 connector like on the 2040 poster new never been used pass through board and shell. Eight ounces shipping weight.

12) Memotech 16K RAMPAK version with switches to use with 16K memory.

for 32K of memory in original box and documentation. Not known if working. One pound shipping weight.

13) Memotech 16K RAMPAK version with switches to use

with 16K RAMPAK for 32K of memory with documentation. Not known if working. One pound shipping weight.

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17) Unassembled lots for sale on the TS-1000. Chips: expansion board kit; Chips 64K memory board lot all pairs, 2764 EPROM and lot. Also an 8257 64K memory board and dynamic RAM chips. All have docs. Three pounds shipping weight.

18) 2-Dollar cassette load and for the TS-1000. AAA battery holders included but new battery holders included. Partial kit for a 2-dollar included. One pound shipping weight.

19) 2X51 16K RAMPAK tested and working! One pound shipping weight.

20) 3 TS-1016 16K RAMPAKs tested and working. One pound each shipping weight.

21) PC3006, TS-1000 almost clone computer. Uses TS-1016 RAMPAK and printer. No power supply or cords. Documentation is not manual in Chinese and one in English. Has sound chip and different and better cassette SAVE and LOAD than TS-1000. TV display at bottom of memory as an screen. changes the location of program changes as machine code is wild. Has both TV and monitor jack. Has joystick port but no docs. Works. Uses 12 volt DC at 1 amp power supply with center positive (pushes a TS-3068 power supply in the reverse of that and will run the computer) Four pounds shipping weight.

22) 3 TS-1016 RAMPAKs have for key missing on the connector. May or may not be working. I did have one working on the PC3006. One pound shipping weight.

Donald S. Lambert  
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#### TS-3068 books

- 1 Technical Manual - Time Design Magazine
- 1 The Times Editor 2000 Response - (Tim Harvey)
- 1 TS 3068 Basics And Beyond - (Blanton J. Hunt)
- 1 User Manuals - TS 3068 Personal Copy Computer
- 1 Beginner/Intermediate Guide (Fred Matthews)
- 1 Intermediate/Advanced Guide (Jeff Mauer)
- 1 Pro/Tis 3068 (Thomas B. Woods)

#### TS-1000 & TS-41 books

- 3 User Manuals (1000)
- 1 TS 1000/3068 User's Handbook (T. Taniel & S. Simpson)
- 1 2011 Guide Book (Rosen Hornum)
- 1 1000/3068 Basic Book (Rosen Hornum)
- 1 2011 BASIC Programming (Steven Woods)
- 1 2011 Programming For Real Applications (Randy Hurley)
- 1 37 Times 1000/3068 2011 Programs For Home, School, Office (Edson Page)
- 1 Brain Games (John Stephenson)
- 1 The Beginner's Guide - 2011 & TS 1000 (John Lund)
- 1 Meeting Machine Code - TS 1000/1006 (Paul Baker)
- 1 Coder's - Spring 88 through Winter 88
- 1 3068 System Quarterly Vol 3 #1
- 20 3068 Agendas (two August)
- 2 Sys (Special Issue) 1987

2300 Quivv Allen

- 8 Sys Vol 3 #2 through Vol 4 #2
- 12 Systems News Vol 2 #1 through Vol 3 #4
- 1 " " " " (Catalog) Vol 1 June/83 thru June/84
- 8 Systems Vol 2 #2 and Vol 3 #7 thru #11
- 17 Time Design Vol #3, #5, Vol 2 #1, #5, #6, Vol 3 #1, Through Vol 4 #5
- 8 Times (Smith User) Vol 5 #1 through #7
- 20 T-S Hardware Issues #1 through #21
- 28 3068/416 Jan/88 through Oct/84

#### Hardware

- 1 TS-3068 computer - Never been used
- 1 Amitek II AM2020, 10" disk drive drive
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- 1 User Delta FDD disk drive. Good for spare parts
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QL Today is being published by Jordan Moss Software.  
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Tul-Y-Rant, Bangor, Gwynedd		
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